

Project Baseline Summary Report

Data Source: **EM CDB**
Operations/Field Office: **Albuquerque**
Site Summary Level: **Grand Junction Office**
Project **AL024 / GJO All Other Projects**

Report Number: **GEN-01b**
Print Date: **3/9/2000**
HQ ID: **0478**

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

Definition of Scope: Grand Junction Office Remedial Action Project (GJORAP)

The Grand Junction Office site will be decontaminated and decommissioned, with the acceptance of Supplemental Limits on Building 2 and remedial actions completed for Buildings 7, 20 and 62 by the end of FY 2001. The remaining GJO site buildings will either be decontaminated and made available for others, demolished, or submitted for use by others under Supplemental Limits. The land, with contamination removed, will remain vacant for other uses as buildings are demolished. In all areas, radiological contamination will be removed from the site to acceptable limits. Environmental monitoring, health and safety oversight, and project management will be provided. Verification surveys will be performed and closeout reports will be written. Other activities will include Subsurface and ground water monitoring for approximately 80 years, as passive remediation by natural flushing will be used to cleanse the aquifer; the Long-Term Surveillance and Monitoring Program (LTSM) Program will perform monitoring for this period.

Technical Approach: Grand Junction Office Remedial Action Project (GJORAP)

The selected alternatives are to either 1) remove contaminated materials from the Grand Junction site and co-dispose of these with UMTRA Project tailings or 2) apply for DOE approval of Supplemental Limits on buildings with extremely low exposure risks. Complete removal of contaminated material will eliminate radiation contamination and will allow the natural dispersion and eventual elimination of contaminants from the alluvial aquifer beneath the site.

Definition of Scope: Facility Management

Facility Management responsibilities include maintenance, facility support services, safeguards and security, real and personal property management, occupational medical services, landscaping services, and janitorial services. Facility Management also provides for support required for electronic instrument repair and calibration as well as lease and maintenance support to test pits located on the GJO site and four off site locations.

Technical Approach: Facility Management

Not applicable.

Definition of Scope: Uranium Lease Management (ULM)

The ULM Program provides technical and administrative support for 43 lease tracts in Colorado and Utah, and includes: (1) review, evaluation, and approval of leaseholders' environmental plans (exploration, mining, and reclamation); (2) evaluation of lease-ore weighing, sampling, and assaying measurements to ensure accurate calculation and timely collection of royalties; (3) monitoring of leaseholders' mining activities (mine development and ore production), other surface-disturbing activities, and the reclamation thereof, for compliance with applicable environmental requirements and lease stipulations; (4) annual inspection of lease tracts; (5) mitigation of potential safety and/or environmental hazards; (6) ongoing reclamation of environmental disturbances that resulted from past AEC leasing activities (circa 1948-1962), for which the current leaseholders are not responsible or liable; and (7) ultimate restoral of lease tract lands to the public domain under BLM's administrative control.

Technical Approach: Uranium Lease Management (ULM)

The reclamation effort will involve cleanup in and around the mine sites using conventional equipment and various innovative technologies.

Definition of Scope: Waste Management/Minimization

The Waste Management/Waste Minimization project establishes policies and procedures and identifies and manages wastes in compliance with federal, state, and local regulations from generation through disposal. Broad-based technical support is provided to line, project, and program

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managers whose activities generate waste, emphasizing a life-cycle approach to resource use and management that focuses on preventing the generation of waste and the release of environmental pollutants. The project includes the temporary management, including storage, of regulated wastes in accumulation areas at or near the point of generation and in the on-site waste storage areas. Compliance with regulatory requirements includes periodic shipment of wastes; site monitoring; record keeping; preparing reports; providing waste containers; tracking container inventories and waste generation rates; inspecting waste storage facilities; sampling wastes as required; and managing contracts with off-site recycling, treatment, storage, and disposal facilities. This project also oversees the sewer effluent discharge program and permits.

Technical Approach: Waste Management/Minimization

The objective of this project is to minimize the volume and toxicity of all types of waste and ensure that wastes are managed in compliance with DOE requirements and all applicable federal, state, and local environmental laws and regulations. Wastes that cannot be prevented will be recycled when practical. Wastes shall be stored and managed appropriately on-site, and treated, if possible. Wastes will be shipped for off-site treatment or disposal in full compliance with all applicable regulations, permits, and agreements.

Project Status in FY 2006:

Grand Junction Office Remedial Action Project (GJORAP)

All buildings on the GJO site will have been either remediated, demolished or approved by DOE for free release for unrestricted reuse under Supplemental Limits. All radiological and hazardous wastes as well as the remaining radiological test pits and calibration pads will be removed before the end of FY 2001. Building 7 will be remediated and released for reuse. Building 20 remedial actions (release via Supplemental Limits, selective decontamination, or demolition) will be completed as required. Building 62 will be demolished and dispositioned, as appropriate after the Sample Preparation Plant has been relocated, and Building 7A is demolished. Building 2 is available for unrestricted reuse via DOE-AL approved Supplemental Limits Application. Monitoring of ground water on the site will continue until approximately FY 2070, as part of the LTSM Program. Administrative control of the ground water will remain in place until passive remediation of the ground water is verified.

Facility Management

Facility Management will provide the appropriate support, as previously defined, to the extent required to support the ongoing GJO mission.

Uranium Lease Management (ULM)

Twelve of fifteen active leases will expire in FY 2006; the other three active leases will expire in FY 2007. The remaining 28 lease tracts (all currently inactive) will have been reclaimed and restored back to the public domain under BLM's administrative control.

Waste Management/Minimization

It is planned that clean up of the GJO site will be completed. All waste currently stored at the site will have been disposed/treated by FY 2006. At FY 2006 and thereafter, the project will only treat/dispose wastes generated by projects assigned to the site.

Post-2006 Project Scope:

Grand Junction Office Remedial Action Project (GJORAP)

Monitoring of natural flushing of ground water will continue under the LTSM Program. When contaminants in ground water fall below regulated concentrations, the ground water monitoring and institutional controls will be terminated.

Facility Management

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Facility Management will provide the appropriate support, as previously defined, to the extent required to support the ongoing GJO mission.

Uranium Lease Management (ULM)

Reclamation of the active lease tracts by the current leaseholders will continue until the sites are acceptable to the BLM for public use. Project personnel will review and approve all reclamation plans, and will monitor all reclamation activities. It is currently estimated that all lands will be restored to the public domain under BLM's administrative control by the end of FY 2010.

Waste Management/Minimization

It is planned that clean up of the GJO site will be completed. All waste currently stored at the site will have been disposed/treated by FY 2006. At FY 2006 and thereafter, the project will only treat/dispose wastes generated by projects assigned to the site.

Project End State

Grand Junction Office Remedial Action Project (GJORAP)

The entire site will have met remediation goals and will be available for reuse.

Facility Management & Waste Management/Minimization

The desired end state at the present site will be the total privatization through donation or sale or, transfer of ownership of the site from the DOE to another entity. Waste management/minimization support to GJO projects will end when the projects assigned to the GJO cease.

Uranium Lease Management (ULM)

If the active leases are not relinquished by their respective leaseholders prior to the end of the current ten- -year term, and if DOE does not extend the leases beyond the current ten- -year term, then the reclamation of these tracts will take approximately four years to complete; two and one-half years to perform the actual reclamation and reestablish adequate vegetation, and 18 months to restore the lands to the public domain under BLM's administrative control (approximately FY 2010). If DOE extends the current leases beyond the current ten-year term, the final end state will be adjusted outward accordingly.

Cost Baseline Comments:

Escalation rate is assumed to be 2.1% per year except for FY 2000 which is 2.7%. No contingencies have been included in the estimates.

Grand Junction Office Remedial Action Project (GJORAP)

Cost estimates for GJORAP are based on assumed scope and historical costs. The baseline is based on the assumption that the Grand Junction Office facility will be released for unrestricted use. The cost estimate for GJORAP assumes that (1) waste materials will be disposed at the Cheney Disposal Cell or at an approved LLW/MLLW repository as appropriate; (2) the Cheney cell will not require resizing to less than 3 foot square; (3) debris will be available from other sites for burial (or costs to trench the cell will be minimal); (4) Buildings 2 and 32 will be released using RESRAD or Supplemental Limits; (5) Building 20 remedial action as required by Radiological Characterization; (6) Building 7 will be decontaminated and reconstructed; (7) Buildings 7A and 62 will be demolished with minimal soil-related contamination after the sample preparation plant has been relocated; (8) the buried utilities will follow the UMTRA logic of cleanup on an as needed basis; and (9) GJO and remote site radiological test/calibration pits/pads will be demolished or transferred to another agency. The project will be complete prior to the end of FY 2001 (funding dependent) except for the continued groundwater monitoring which will be funded under the LTSM Program.

Facility Management

Comparisons with similar local commercial leased space and national benchmark data for government facilities are used as justification and backup to operation costs. Facility Management requirements are assumed to remain constant until the real property transfer has been completed; post transition

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requirements will be reduced to minimal levels. It is also assumed that there will be minimal major maintenance requirements for occupied spaces on the GJO.

Uranium Lease Management (ULM)

Cost baseline data was developed in February 1995. Subsequent to its development, lease tract reclamation activities have been defined in greater detail for all pre-1974 disturbances, and spread over four years (FY 1999, 2003, 2004, and 2005). Consequently, new baselines cost estimates were developed to accurately portray the current work scope/schedules.

Waste Management/Minimization

The funding levels required for the DOE to comply with laws and permits will remain very level until the DOE no longer owns the site or operates the analytical laboratory on the site. The cost estimate includes all costs associated with labor; waste treatment, storage, and disposal; and laboratory analyses and supplies.

Safety & Health Hazards:

Grand Junction Office Remedial Action Project (GJORAP)

Hazards that are associated with this project include both radiological and physical, and mostly affect construction workers. Environmental concerns are low to moderate. Groundwater under the GJO will remain under institutional controls until cleaned by natural flushing which is projected to occur over an 80-year period. Continued monitoring during this period will provide assurance that contaminated levels are within acceptable standards and determine if contaminants are migrating from the site.

Facility Management

Hazards that are associated with this project include radiological, chemical, industrial, construction (D&D), ergonomic, and physical, and affect mostly workers. These hazards are primarily associated with maintenance activities and are considered low. Facility activities have no impacts on public or environmental health and safety.

Uranium Lease Management (ULM)

The S&H hazards associated with the ULM Program are minimal for workers, the public, and the environment. These minimal hazards include slips/trips/falls, heavy equipment operations, and potential exposure to silica and radioparticulates.

Waste Management/Minimization

Hazards associated with this project are radiological, chemical, and physical, and apply predominantly to on-site workers.

Safety & Health Work Performance:

Grand Junction Office Remedial Action Project (GJORAP)

Work will be performed in a manner that assures a safe work environment that is free of recognized hazards and results in minimal occupational exposures. Frequent assessments in the areas of Emergency Preparedness, Fire Protection, Industrial Hygiene, Industrial Safety, Occupational Medicine, Radiological Protection, Transportation Safety and management oversight will assure necessary checkpoints are met. Because the amount of radioactive material on the site does not involve Criticality Safety or Nuclear Operational aspects, Nuclear Safety is not a Safety & Health concern at the GJO. Constructability and Work Readiness reviews, operational site walk downs, employee monitoring, atmospheric monitoring, site inspections, medical surveillance, and radiation surveys provide verification and checkpoints.

Facility Management & Waste Management/Minimization

Work will be performed in a manner that assures a safe work environment that is free of recognized hazards and results in minimal occupational exposures. Frequent assessments in the areas of Emergency Preparedness, Fire Protection, Industrial Hygiene, Industrial Safety, Occupational

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Medicine, Radiological Protection, Transportation Safety and management oversight will assure necessary checkpoints are met. Because the amount of radioactive material on the site does not involve Criticality Safety or Nuclear Operational aspects, Nuclear Safety is not a Safety & Health concern at the GJO. Constructability reviews, Work Readiness Reviews, operational site walk downs, employee monitoring, atmospheric monitoring, site inspections, medical surveillance, and radiation surveys provide verification and checkpoints.

Uranium Lease Management (ULM)

Prior to the start of work on significant projects or processes, a work readiness review is conducted to assess the readiness of essential management systems for the performance of work. During the routine course of the work, periodic oversight is performed to assess the continued implementation of project requirements for personnel S&H. This periodic oversight is varied and may be in the form of daily management or technical inspections, walk-throughs, or formal audits, assessments, or surveillances, Work Readiness Reviews, employee monitoring, atmospheric monitoring, site inspections, medical surveillances, and radiation surveys.

PBS Comments:

Grand Junction Office Remedial Action Project (GJORAP)

Several challenges face the GJORAP program: (1) revival of the program in FY1999 after a significant cut in funding for FY 1998 by replacing key personnel; (2) approval of SL applications on buildings 2, 20 and 7 (i.e., if building 7 is not to remain a Sample Prep. Lab, then it is far less likely that Supplemental Limits will be approved, thereby increasing the cost of the program as the building will be demolished); (3) investigation of underground utilities may define a significant amount of remediation work which could be costly and involve removal and replacement of large sections of utilities; (4) sizing requirements of the Cheney Cell currently do not allow full-sized test pit placement; (5) available dates the Cheney Cell is open to accept debris; and (6) possible inadequacy of burial sites at the Cheney Cell.

Facility Management

None.

Uranium Lease Management (ULM)

As the 28 inactive lease tracts are fully reclaimed, they become eligible for restoration to the public domain under BLM's administrative control. At such time, a "Request to Relinquish Lands" will be prepared and submitted to the appropriate State office of the BLM (Colorado or Utah) for processing. It is currently estimated that this restoration process will take approximately 18 months per request to complete. Two such Requests have been submitted to the BLM for processing; one Request to restore all 5 lease tracts located in Utah, and one Request to restore 9 lease tracts and portions of 3 additional lease tracts located in Colorado.

Long-Term Surveillance and Maintenance (LTSM)

None.

Waste Management/Minimization

The state of Colorado actively imposes its regulatory authority over environmental issues, and environmental issues are politically sensitive in the state. The continued protection of the public health and the environment is an important DOE commitment and legal obligation. Full compliance with environmental laws, regulations, and permit requirements protects the DOE and its contractors from fines and future legal liability. The disposal of legacy waste with a radioactive and hazardous constituent continues to be a challenge in terms of treatment possibilities, disposal options, and funding

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levels.

Baseline Validation Narrative:

Annually, the DOE-GJO conducts a review of the contractors proposed task plan for the upcoming fiscal year. This DOE review includes a bottoms-up analysis of scope, labor, and other direct charges which is presented by the project manager to a team comprised of contracting officers, contracting officers' representatives, other staff members, and management. During the development of the 2006 Plan, the DOE project and support staff work closely with the contractors regarding project direction. The planning document is then reviewed by various members of the DOE staff and forwarded to DOE-AL where a subsequent review takes place. DOE-GJO conducted an internal life-cycle baseline review in January 1999 for Facility Management.

General PBS Information

Project Validated? **Date Validated:**
Has Headquarters reviewed and approved project? No
Date Project was Added: 12/1/1997
Baseline Submission Date: 7/1/1999
FEDPLAN Project? Yes

Drivers:	CERCLA	RCRA	DNFSB	AEA	UMTRCA	State	DOE Orders	Other
	Y	Y	Y	Y	Y	Y	Y	Y

Project Identification Information

DOE Project Manager: Mike Tucker
DOE Project Manager Phone Number: 970-248-6004
DOE Project Manager Fax Number: 970-248-6023
DOE Project Manager e-mail address: mtucker@doegjpo.com
Is this a High Visibility Project (Y/N):

Planning Section

Baseline Costs (in thousands of dollars)

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	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006	
PBS Baseline (current year dollars)	68,402	310,880	379,282	12,222	12,222	13,655	13,655	4,926	5,360	12,005	4,760	4,257	3,958	3,609	3,650	
PBS Baseline (constant 1999 dollars)	65,663	133,943	199,606	12,222	12,222	13,655	13,655	4,926	5,219	11,449	4,446	3,895	3,547	3,167	3,137	
PBS EM Baseline (current year dollars)	68,402	310,880	379,282	12,222	12,222	13,655	13,655	4,926	5,360	12,005	4,760	4,257	3,958	3,609	3,650	
PBS EM Baseline (constant 1999 dollars)	65,663	133,943	199,606	12,222	12,222	13,655	13,655	4,926	5,219	11,449	4,446	3,895	3,547	3,167	3,137	
	2007	2008	2009	2010	2011- 2015	2016- 2020	2021- 2025	2026- 2030	2031- 2035	2036- 2040	2041- 2045	2046- 2050	2051- 2055	2056- 2060	2061- 2065	2066- 2070
PBS Baseline (current year dollars)	3,693	3,736	3,687	3,731	17,588	18,919	20,396	20,952	18,430	20,448	22,688	25,171	27,929	30,986	34,380	38,146
PBS Baseline (constant 1999 dollars)	3,109	3,081	2,978	2,951	13,076	12,678	12,318	11,405	9,043	9,043	9,044	9,043	9,044	9,043	9,043	9,044
PBS EM Baseline (current year dollars)	3,693	3,736	3,687	3,731	17,588	18,919	20,396	20,952	18,430	20,448	22,688	25,171	27,929	30,986	34,380	38,146
PBS EM Baseline (constant 1999 dollars)	3,109	3,081	2,978	2,951	13,076	12,678	12,318	11,405	9,043	9,043	9,044	9,043	9,044	9,043	9,043	9,044

Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0.00%	0.00%	0.00%	2.70%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%
2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070

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2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

Project Reconciliation

Project Completion Date Changes:

Previously Projected End Date of Project: 9/30/2070

Current Projected End Date of Project: 9/1/2010

Explanation of Project Completion Date Difference (if applicable):

Not applicable.

Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):	1,359,587	Actual 1997 Cost:	12,222	Actual 1998 Cost:	13,655
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	1,333,710	Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):			36,010
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	1,369,720				

Project Cost Changes

	Cost Adjustments	Reconciliation Narratives
Cost Change Due to Scope Deletions (-):	1,172,434	Deletion in Facility Mgmt, Uranium Lease Mgmt, Waste Mgmt/Min. LTSM scope deleted - moved to new PBS
Cost Reductions Due to Efficiencies (-):	38,029	Projects with Efficiencies: Facility Mgmt, and Uranium Lease Mgmt
Cost Associated with New Scope (+):	14,113	Projects with New Scope: Rust Contract Termination Liabilities
Cost Growth Associated with Scope Previously Reported (+):	359	Projects with Cost Growth: GJORAP (2M will be received from UMTRAS in FY1999)
Cost Reductions Due to Science & Technology Efficiencies (-):		
Subtotal:	173,729	
Additional Amount to Reconcile (+):	0	
Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	173,729	

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Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
DOE will retain liability for utilities & remediation when contamination is encountered, if any	AL024-005		9/30/2001							Y	
Start of Building 20 assessment & remedial actions	AL024-003		10/1/2000								
Supplemental Limits not applicable for bldg 7; remediation will be completed no later than 9/30/01.	AL024-004		10/1/2000							Y	
End of ULM - All lands restored to public domain	AL024-013		9/1/2010								
End of ULM - All lease tracts are reclaimed (lessee responsibility)	AL024-012		3/1/2009							Y	
End of ULM - Leases expire or are extended	AL024-009		3/1/2006							Y	
Transfer GJO Site to LTSM	AL024-014		10/1/2001								
DOE will retain liability for utilities & remediation when contamination is encountered, if any	AL024-006		10/1/2001							Y	
End of Building 20 assessment & remedial actions.	AL024-001		9/30/2001								
Supplemental Limits not applicable for bldg 7; remediation will be completed no later than 9/30/01.	AL024-002		10/1/1999							Y	
Start of ULM - All lands restored to public domain	AL024-010		4/1/2006							Y	
Start of ULM - All lease tracts are reclaimed (lessee responsibility)	AL024-011		4/1/2006							Y	
Start of ULM - Leases expire or are extended	AL024-008		9/1/2005							Y	
ULM - All pre-1974 sites reclaimed (GJO responsibility)	AL024-007		9/1/2002							Y	
End investigation of GJO site test-pits.			3/31/2001								
End investigation of remote site test-pits.			3/31/2002								
End demolition/removal GJO site test-pits.			9/30/2001								
End demolition/removal remote site test-pits.			9/30/2002							Y	

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Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
Transfer to LTSM			10/1/2001								
Grand Junction Office complete Final Draft Management Plan for GJO Site Transition.			3/15/1999						Y	Y	
Facility Management GJO Mission Complete			9/30/2070								
Grand Junction office opens			3/1/1943								

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
DOE will retain liability for utilities & remediation when contamination is encountered, if any	AL024-005										Most underground utilities were installed prior to the commencement of uranium processing operations.
Start of Building 20 assessment & remedial actions	AL024-003		Y				1	2	2		
Supplemental Limits not applicable for bldg 7; remediation will be completed no later than 9/30/01.	AL024-004										
End of ULM - All lands restored to public domain	AL024-013				Y						
End of ULM - All lease tracts are reclaimed (lessee responsibility)	AL024-012										
End of ULM - Leases expire or are extended	AL024-009										
Transfer GJO Site to LTSM	AL024-014		Y				1	2	1		
DOE will retain liability for utilities & remediation when	AL024-006										Most underground utilities were installed prior to the commencement

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Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
contamination is encountered, if any											of uranium processing operations.
End of Building 20 assessment & remedial actions.	AL024-001		Y				1	2	2		
Supplemental Limits not applicable for bldg 7; remediation will be completed no later than 9/30/01.	AL024-002										
Start of ULM - All lands restored to public domain	AL024-010										
Start of ULM - All lease tracts are reclaimed (lessee responsibility)	AL024-011										
Start of ULM - Leases expire or are extended	AL024-008										
ULM - All pre-1974 sites reclaimed (GJO responsibility)	AL024-007										
End investigation of GJO site test-pits.			Y				1	2	2		
End investigation of remote site test-pits.			Y				1	2	2		Remote sites include Walker Field-Grand Junction, CO; Casper, WY; Grant, NM; and George West, TX.
End demolition/removal GJO site test-pits.			Y				1	2	2		Demolition materials to be disposed at Cheney Repository or other approved landfills.
End demolition/removal remote site test-pits.											
Transfer to LTSM			Y				1	3	1	Y	Transfer occurs after all GJORAP remedial actions have been completed.

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Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
Grand Junction Office complete Final Draft Management Plan for GJO Site Transition.											
Facility Management GJO Mission Complete						Y					GJO Facility Management supports the Long-Term Stewardship Program (LTSP) at GJO and will continue until LTSP's mission is complete. LTSP will probably continue for hundreds of years, but for Spring Update purposes, completion is shown in 2070.
Grand Junction office opens				Y							

Performance Measure Metrics

Category/Subcategory	Units	1997-2006 Total	2007-2070 Total	1997-2070 Total	Actual Pre-1997	Planned 1997	Actual 1997	Planned 1998	Planned 1999	Planned 2000	Planned 2001	Planned 2002	Planned 2003	Planned 2004
RS														
Assess.	NR	0.00	2.00	2.00	1.00									
RS														
Cleanup	NR	1.00	2.00	3.00	1.00					1.00				
Fac.														
Decom.- Assess.	NF	7.00	0.00	7.00	26.00					5.00	2.00			
Fac.														
Decom- Cleanup	NF	29.00	0.00	29.00	9.00	7.00	7.00		2.00	15.00	5.00			
Rem. Waste														
Disposed	M3	7,413.63	0.00	7,413.63				0.59	1,855.77	1,855.82	3,276.02	425.43	0.00	0.00

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Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035
RS													
Assess.	NR							1.00					
RS													
Cleanup	NR							1.00					
Fac.													
Decom.- Assess.	NF												
Fac.													
Decom- Cleanup	NF												
Rem. Waste													
Disposed	M3	0.00	0.00	0.00									
Category/Subcategory	Units	Planned 2036 - 2040	Planned 2041 - 2045	Planned 2046 - 2050	Planned 2051 - 2055	Planned 2056 - 2060	Planned 2061 - 2035	Planned 2066 - 2070	Exceptions	Lifecycle Total			
RS													
Assess.	NR							1.00		4.00			
RS													
Cleanup	NR							1.00		4.00			
Fac.													
Decom.- Assess.	NF								4.00	43.00			
Fac.													
Decom- Cleanup	NF									43.00			
Rem. Waste													
Disposed	M3									5,557.27			

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Release Sites

Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
GJPO	0020		GJORAP \ GJO site ground water	Surface and Groundwater/Groundwater Plumes	2070	2070		2070	2070			N		N
GJPO	0021		Soils	Mill Tailings Piles/Uranium Mill Tailings Piles	1995		9/30/1995			9/30/1995		N	Approved	Y
GJPO	0022		ULM \ URANIUM LEASING	Miscellaneous/Other	2010	2010		2010	2010		1994	N		Y
GJPO	0052		GJO Soils - Under Asphalt, Around Utility Trenches, and Septic Tanks	/			9/3/1999	2000				N		N

Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
GJPO	0001		Building 1-Central Heating Plant	Buildings & Equipment\Physical Plant	Non-Nuclear Facility	1996		4/30/1996						4/30/1996	1993	N	Approved	N
GJPO	0002		Building 18-Office Building	Mill Tailings Piles\Uranium Mill Tailings Piles		1996		11/9/1995						11/9/1995	1993	N	Approved	Y
GJPO	0003		GJORAP \ Building 2-Offices, Communication Center	Buildings & Equipment\Other Buildings	Non-Nuclear Facility	1995		9/30/1995				1997		9/30/1997	1993	N	Pending	N
GJPO	0004		GJORAP \ Building 20-Analytical Lab, Offices	Buildings & Equipment\Laboratory	Non-Nuclear Facility	1995		9/30/1995				2000	2000		1993	N		N
GJPO	0005		GJORAP \ Building 28-Maintenance Shop, Warehouse	Buildings & Equipment\Other Buildings	Non-Nuclear Facility	1995	1995	9/30/1995				1999	1999	1/28/1999	1993	N		N
GJPO	0006		Building 31-Former pilot plant mill building	Buildings & Equipment\Uranium	Non-Nuclear Facility	1995		9/30/1995						7/26/1996	1988	N	Approved	N

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Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
Manufacturing Facility																		
GJPO	0007		GJORAP \ Building 31A-Radon Calibration Storage	Buildings & Equipment\Laboratory	Non-Nuclear Facility	1996	1996	9/30/1996				2001		9/16/1999	1988	N	Pending	N
GJPO	0008		GJORAP \ Building 33-Storage, former mill building	Buildings & Equipment\Uranium Manufacturing Facility	Non-Nuclear Facility	1995		9/30/1995				2001		9/16/1999	1988	N		N
GJPO	0009		Building 34-Storage, former mill building	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	1995		9/30/1995						4/25/1996	1988	N	Approved	N
GJPO	0010		GJORAP \ Building 35-Storage, former mill building	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	1995	1995	9/30/1995				2001	2001	9/16/1999	1988	N		N
GJPO	0011		Building 36-Storage, former mill building	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	1995		9/30/1995						4/4/1996	1993	N	Approved	N
GJPO	0012		Building 39-Oil Pump Building	Buildings & Equipment\Physical Plant	Non-Nuclear Facility	1992		9/30/1992						9/30/1992		N	Approved	N
GJPO	0013		Building 44-Storage	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	1995		9/30/1995						9/30/1995		N	Approved	N
GJPO	0014		GJORAP \ Building 46, cafeteria	Buildings & Equipment\Other Buildings	Non-Nuclear Facility	1995	1995	9/30/1995				1999	1999	1/28/1999	1993	N		N
GJPO	0015		Building 52-Storage	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	1994		9/30/1994						9/30/1994		N	Approved	N
GJPO	0016		Building 6-Former Laboratories	Buildings & Equipment\Laboratory	Non-Nuclear Facility	1992		9/30/1992						9/30/1992	1992	N	Approved	N

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GJPO	0017		GJORAP \ Building 7-Offices, Laboratory, Sample Prep.	Buildings & Equipment\Laboratory	Non-Nuclear Facility	2001	2001					2001	2001		1993	N		N
GJPO	0018		GJORAP \ Building 810, offices, telecommunications center	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	1995	1995	9/30/1995				2000	2000		1993	N		N
GJPO	0019		GJORAP \ Building 938-Office	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	1995	1995	9/30/1995				2000	1999		1993	N		N
GJPO	0024		GJORAP \ Building 3022, offices, electronics laboratory, shops	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	2001	2000	9/30/1999				2000	2000			N		N
GJPO	0025		GJORAP \ Building 54, offices, medical offices	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	1997		9/30/1996				1997		9/30/1997		N	Pending	N
GJPO	0026		GJORAP \ Building 41, storage shed	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	2001	2000	8/23/1999				2000	2000			N		N
GJPO	0027		GJORAP \ Building 61, Hazardous Waste Storage	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	2000	2000					2000	2000			N		N
GJPO	0028		GJORAP \ Building 55, offices	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	2000	2000					2000	2000			N		N
GJPO	0029		GJORAP \ Building 53A, offices	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	1996	1996	9/30/1996				2000	2000			N		N
GJPO	0030		GJORAP \ Building 11, GJO access, guard station, fire alarm command center	Buildings & Equipment\Security Building	Non-Nuclear Facility	1996		9/30/1996				1997		9/30/1997		N	Pending	N

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GJPO	0031		GJORAP \ Building 19, offices	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	1996		9/30/1996				1997		9/30/1997		N	Pending	N
GJPO	0032		GJORAP \ Building 29, offices	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	1996		9/30/1996				1997		9/30/1997		N	Pending	N
GJPO	0033		GJORAP \ Building 26, offices	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	1996		9/30/1996				1999		9/30/1997		N	Pending	N
GJPO	0034		GJORAP \ Building 30B, offices and storage	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	1996		9/30/1996				1997		9/30/1997		N	Pending	N
GJPO	0035		GJORAP \ Building 56, offices	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	1996	1996	9/30/1996				1997	1997	4/1/1999		N		N
GJPO	0036		GJORAP \ Building 43, storage	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	2001	2000	8/9/1999				2000	2000			N		N
GJPO	0037		GJORAP \ Building 12, offices	\		2001	2000	8/31/1999				2000	2000			N		
GJPO	0038		GJORAP \ Building 32, laboratory	Buildings & Equipment\Laboratory	Non-Nuclear Facility	1997	1997					2001	2000			N		N
GJPO	0039		GJORAP \ Building 40, gas meter house	Buildings & Equipment\Other Buildings	Non-Nuclear Facility	2001	2000	9/16/1999				2000	2000			N		N
GJPO	0041		GJORAP \ Building 42, hazardous-waste storage shed	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	2000	2000					2000	2000			N		N
GJPO	0042		GJORAP \ Building 51, compressed-gas storage	Buildings & Equipment\Other	Non-Nuclear Facility	2001	2000	9/15/1999				2000	2000			N		N

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Buildings																		
GJPO	0043		GJORAP \ Building 65, storage	Buildings & Equipment\Other Buildings	Non-Nuclear Facility	2000	2000					2000	2000			N		N
GJPO	0044		GJORAP \ Building 66, storage	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	2000	2000					2000	2000			N		N
GJPO	0045		GJORAP \ Building 62, filterhouse	Buildings & Equipment\Storage Building / Warehouse	Non-Nuclear Facility	2001	2001					2001	2001			N		N
GJPO	0046		GJORAP \ Building 53B, offices	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	1996	1996					2001	2000			N		N
GJPO	0047		GJORAP \ Building 53C, offices	Buildings & Equipment\Administrative Building	Non-Nuclear Facility	1996	1996					2001	2000			N		N
GJPO	0050		Building 37 - Scale House	Buildings & Equipment\Equipment	Non-Nuclear Facility	1992						2001		7/27/1999	1993	N		N

Technology Needs

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Technology Needs

Site Need Code: AL-07-09-02-SC
Site Need Name: Hydrologic Performance Monitoring of Engineered Covers

Focus Area Work Package ID: SS-11
Focus Area: SCFA
Focus Area Work Package: Validation, Verification, & Long-Term Monitoring of Containment & Treatment
Agree with Technology Link: N
Benefits (Cost, Risk Reduction, Both): Both

Technologies

Verification of Subsurface Barriers/Moisture Detection

Hydraulic Conductivity Measurement and Stabilization Verification

Monitor for Demonstrating the Effectiveness of Barrier Installation and Long-term Performance using
Electrical Resistance Tomography

Long-Term Surface Barriers

Cost Savings (in thousands of dollars)

Range of Estimate

Related CCP Milestones

Related Waste Streams

01091: RRM001 - RRM Contaminated Soil

Agree?

Y

Change?

N

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